

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

CARLSSON, Eva  
Internationalt Patent-Bureau  
Høje Taastrup Boulevard 23  
DK-2630 Taastrup  
DANEMARK

Date of mailing (day/month/year) 19 February 2002 (19.02.02)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference IPB/27131	
International application No. PCT/DK00/00478	International filing date (day/month/year) 01 September 2000 (01.09.00)

1. The following indications appeared on record concerning:		
<input checked="" type="checkbox"/> the applicant	<input checked="" type="checkbox"/> the inventor	<input type="checkbox"/> the agent <input type="checkbox"/> the common representative
Name and Address VON BÜLOW, Martin Fredensvej 9B DK-3060 Espergærde Denmark	State of Nationality DK	State of Residence DK
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input type="checkbox"/> the person	<input type="checkbox"/> the name	<input checked="" type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence
Name and Address VON BÜLOW, Martin Nordre Strandvej 69 DK-3000 Helsingør Denmark	State of Nationality DK	State of Residence DK
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned	
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Jean-Luc MARTIN
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
Arlington, VA 22202  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing: 29 March 2001 (29.03.01)	
International application No.: PCT/DK00/00478	Applicant's or agent's file reference: IPB/27131
International filing date: 01 September 2000 (01.09.00)	Priority date: 17 September 1999 (17.09.99)
Applicant: CIOK, Danuta et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International preliminary Examining Authority on:  
08 January 2001 (08.01.01)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer:  J. Zahra Telephone No.: (41-22) 338.83.38
---	---

10/070422

PCT

COPY REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

1 SEP. 2000

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference *IPB/27131*  
(if desired) (12 characters maximum)

**Box No. I TITLE OF INVENTION***A COLLECTING BAG HAVING AN ACCOMMODATING MEANS FOR A CLOSURE DEVICE***Box No. II APPLICANT**

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

COLOPLAST A/S  
Holtedam 1  
DK-3050 HUMLEBÆK  
Denmark

☐ This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:  
Denmark

State (that is, country) of residence:  
Denmark

This person is applicant  
for the purposes of:

☐

all designated States

☒

all designated States except the United States of America

☐

the United States of America only

☐

the States indicated in the Supplemental Box

**Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)**

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

CIOK, Danuta  
Violens Kvarter 8  
DK-2990 NIVÅ  
Denmark

This person is:

☐

applicant only

☒

applicant and inventor

☐

inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Poland

State (that is, country) of residence:  
Denmark

This person is applicant  
for the purposes of:

☐

all designated States

☐

all designated States except the United States of America

☒

the United States of America only

☐

the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

**Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒

agent

☐

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CARLSSON, Eva; SIMONSEN, Christian Rosendal; RAFFNSØE, Knud  
Rosenstand; NORDENBÆK, Torben; ROTNE, Jens Styru; INDAHL, Peter;  
SCHØNNING, Søren; JØRGENSEN, Bjørn Barker; BAGGER-SØRENSEN, Birgitte;  
BERING, Jesper; RASMUSSEN, Torben Ravn; NIELSEN, Kim Garsdal;  
OLSEN, Lau Lund

International Patent-Bureau

Høje Taastrup Boulevard 23, DK-2630 TAASTRUP, Denmark

Telephone No.

+45 43995511

Facsimile No.

+45 43999911

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

*If none of the following sub-boxes is used, this sheet should not be included in the request.*

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

von BÜLOW, Martin  
Fredensvej 9B  
DK-3060 ESPERGÆRDE  
Denmark

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Denmark

State (that is, country) of residence:  
Denmark

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only  
☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only  
☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only  
☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

## Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

## Regional Patent

- ☒ AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> AE United Arab Emirates                  | <input checked="" type="checkbox"/> LC Saint Lucia                               |
| <input checked="" type="checkbox"/> AG Antigua and Barbuda                   | <input checked="" type="checkbox"/> LK Sri Lanka                                 |
| <input checked="" type="checkbox"/> AL Albania                               | <input checked="" type="checkbox"/> LR Liberia                                   |
| <input checked="" type="checkbox"/> AM Armenia                               | <input checked="" type="checkbox"/> LS Lesotho                                   |
| <input checked="" type="checkbox"/> AT Austria and Utility Model             | <input checked="" type="checkbox"/> LT Lithuania                                 |
| <input checked="" type="checkbox"/> AU Australia                             | <input checked="" type="checkbox"/> LU Luxembourg                                |
| <input checked="" type="checkbox"/> AZ Azerbaijan                            | <input checked="" type="checkbox"/> LV Latvia                                    |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina                | <input checked="" type="checkbox"/> MA Morocco                                   |
| <input checked="" type="checkbox"/> BB Barbados                              | <input checked="" type="checkbox"/> MD Republic of Moldova                       |
| <input checked="" type="checkbox"/> BG Bulgaria                              | <input checked="" type="checkbox"/> MG Madagascar                                |
| <input checked="" type="checkbox"/> BR Brazil                                | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BY Belarus                               | <input checked="" type="checkbox"/> MN Mongolia                                  |
| <input checked="" type="checkbox"/> BZ Belize                                | <input checked="" type="checkbox"/> MW Malawi                                    |
| <input checked="" type="checkbox"/> CA Canada                                | <input checked="" type="checkbox"/> MX Mexico                                    |
| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein  | <input checked="" type="checkbox"/> MZ Mozambique                                |
| <input checked="" type="checkbox"/> CN China                                 | <input checked="" type="checkbox"/> NO Norway                                    |
| <input checked="" type="checkbox"/> CR Costa Rica                            | <input checked="" type="checkbox"/> NZ New Zealand                               |
| <input checked="" type="checkbox"/> CU Cuba                                  | <input checked="" type="checkbox"/> PL Poland                                    |
| <input checked="" type="checkbox"/> CZ Czech Republic and Utility Model      | <input checked="" type="checkbox"/> PT Portugal                                  |
| <input checked="" type="checkbox"/> DE Germany and Utility Model             | <input checked="" type="checkbox"/> RO Romania                                   |
| <input checked="" type="checkbox"/> DK Denmark and Utility Model             | <input checked="" type="checkbox"/> RU Russian Federation                        |
| <input checked="" type="checkbox"/> DM Dominica                              | <input checked="" type="checkbox"/> SD Sudan                                     |
| <input checked="" type="checkbox"/> DZ Algeria                               | <input checked="" type="checkbox"/> SE Sweden                                    |
| <input checked="" type="checkbox"/> EE Estonia and Utility Model             | <input checked="" type="checkbox"/> SG Singapore                                 |
| <input checked="" type="checkbox"/> ES Spain                                 | <input checked="" type="checkbox"/> SI Slovenia and Utility Model                |
| <input checked="" type="checkbox"/> FI Finland and Utility Model             | <input checked="" type="checkbox"/> SK Slovakia                                  |
| <input checked="" type="checkbox"/> GB United Kingdom                        | <input checked="" type="checkbox"/> SL Sierra Leone                              |
| <input checked="" type="checkbox"/> GD Grenada                               | <input checked="" type="checkbox"/> TJ Tajikistan                                |
| <input checked="" type="checkbox"/> GE Georgia                               | <input checked="" type="checkbox"/> TM Turkmenistan                              |
| <input checked="" type="checkbox"/> GH Ghana                                 | <input checked="" type="checkbox"/> TR Turkey                                    |
| <input checked="" type="checkbox"/> GM Gambia                                | <input checked="" type="checkbox"/> TT Trinidad and Tobago                       |
| <input checked="" type="checkbox"/> HR Croatia                               | <input checked="" type="checkbox"/> TZ United Republic of Tanzania               |
| <input checked="" type="checkbox"/> HU Hungary                               | <input checked="" type="checkbox"/> UA Ukraine                                   |
| <input checked="" type="checkbox"/> ID Indonesia                             | <input checked="" type="checkbox"/> UG Uganda                                    |
| <input checked="" type="checkbox"/> IL Israel                                | <input checked="" type="checkbox"/> US United States of America                  |
| <input checked="" type="checkbox"/> IN India                                 | <input checked="" type="checkbox"/> UZ Uzbekistan                                |
| <input checked="" type="checkbox"/> IS Iceland                               | <input checked="" type="checkbox"/> VN Viet Nam                                  |
| <input checked="" type="checkbox"/> JP Japan                                 | <input checked="" type="checkbox"/> YU Yugoslavia                                |
| <input checked="" type="checkbox"/> KE Kenya                                 | <input checked="" type="checkbox"/> ZA South Africa                              |
| <input checked="" type="checkbox"/> KG Kyrgyzstan                            | <input checked="" type="checkbox"/> ZW Zimbabwe                                  |
| <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea |  |
| <input checked="" type="checkbox"/> KR Republic of Korea                     |  |
| <input checked="" type="checkbox"/> KZ Kazakhstan                            |  |

Check-box reserved for designating States which have become party to the PCT after issuance of this sheet:

☐

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

<b>Box No. VI PRIORITY CLAIM</b>		<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) 17.09.1999 (17 September 1999)	PA 1999 01319	Denmark		
item (2)				
item (3)				

☐ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s):

\* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / EP

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

18.10.1999

SN 33577 DK

EP

**Box No. VIII CHECK LIST; LANGUAGE OF FILING**

This international application contains the following number of sheets:

request : 4

description (excluding sequence listing part) : 7

claims : 2

abstract : 1

drawings : 4

sequence listing part of description :

Total number of sheets : 18

This international application is accompanied by the item(s) marked below:

1. ☒ fee calculation sheet and separate cheque

2. ☐ separate signed power of attorney

3. ☐ copy of general power of attorney; reference number, if any:

4. ☐ statement explaining lack of signature

5. ☒ priority document(s) identified in Box No. VI as item(s):

6. ☐ translation of international application into (language):

7. ☐ separate indications concerning deposited microorganism or other biological material

8. ☐ nucleotide and/or amino acid sequence listing in computer readable form

9. ☒ other (specify): Copy of ITS SN 33577 DK and Official Action, incl. Novelty Search Report in PA 1999 01319

Figure of the drawings which should accompany the abstract: 1

Language of filing of the

international application: English

**Box No. IX SIGNATURE OF APPLICANT OR AGENT**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

COLOPLAST A/S

Jens Kjørelli-Kjær  
KJØRELLI-KJÆR, Jens General Manager

Danuta Liak  
CIOK, Danuta

Martin von Bülow  
von BÜLOW, Martin

For receiving Office use only		2. Drawings: <input type="checkbox"/> received:  <input type="checkbox"/> not received:
1. Date of actual receipt of the purported international application:		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:		
4. Date of timely receipt of the required corrections under PCT Article 11(2):		
5. International Searching Authority (if two or more are competent): ISA /	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.	

For International Bureau use only	
Date of receipt of the record copy by the International Bureau:	

COPY

## PATENT COOPERATION TREATY 10/070422

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

To:

CARLSSON, Eva  
International Patent-Bureau  
Høje Taastrup Boulevard 23  
DK-2630 Taastrup  
DANEMARK

Date of mailing (day/month/year) 18 October 2000 (18.10.00)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference IPB/27131	
International application No. PCT/DK00/00478	
International publication date (day/month/year) Not yet published	
International filing date (day/month/year) 01 September 2000 (01.09.00)	Priority date (day/month/year) 17 September 1999 (17.09.99)
Applicant COLOPLAST A/S et al	

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
17 Sept 1999 (17.09.99)	PA 1999 01319	DK	19 Sept 2000 (19.09.00)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

S. De Michiel

Telephone No. (41-22) 338.83.38

# PATENT COOPERATION TREATY

09 APR. 2001 WO 01/21115  
PCT/DK00/00478

PCT

## NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

CARLSSON, Eva  
Internationalt Patent-Bureau  
Høje Taastrup Boulevard 23  
DK-2630 Taastrup  
DANEMARK

CC 27

Date of mailing (day/month/year) 29 March 2001 (29.03.01)		
Applicant's or agent's file reference IPB/27131		IMPORTANT NOTICE
International application No. PCT/DK00/00478	International filing date (day/month/year) 01 September 2000 (01.09.00)	Priority date (day/month/year) 17 September 1999 (17.09.99)
Applicant COLOPLAST A/S et al		

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:  
AU, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:  
AE, AG, AL, AM, AP, AT, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EA, EE, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU.  
The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).
3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 29 March 2001 (29.03.01) under No. WO 01/21115

### REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

### REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38



## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference IPB/127131	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DK00/00478	International filing date ( <i>day/month/year</i> ) 01/09/2000	Priority date ( <i>day/month/year</i> ) 17/09/1999
International Patent Classification (IPC) or national classification and IPC A61F5/44		
Applicant COLOPLAST A/S et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  08/01/2001	Date of completion of this report  18.07.2001
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Arjona Lopez, G  Telephone No. +49 89 2399 2546 

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK00/00478

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-7 as originally filed

**Claims, No.:**

1-6 as originally filed

**Drawings, sheets:**

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/DK00/00478

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Yes:	Claims	1-6
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-6
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-6
	No:	Claims	

2. Citations and explanations  
**see separate sheet**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/DK00/00478

**To point V:**

1. Reference is made to the following documents:

D1: US-A-4 449 971

D2: US-A-3 650 272

2. Document D1 (cf. figures 1-3; column 2, line 37-67; column 3, lines 37-43; column 4, lines 4-41), which is considered to represent the most relevant state of the art, discloses (the references belonging to this document) a collecting bag (10) for human for human wastes comprising a bag member (11) formed by two film blanks (11a, 11b) with joined edges (22-24) defining the outer contours of the bag member (11), an inlet opening (where inlet tube 29 is connected) provided in one of said film blanks (11a), connecting elements (catheter 13) surrounding the inlet opening for connection of the bag (11) to a body orifice (urethra), a discharge portion (lower end of the bag) at a distance from the inlet opening comprising a discharge opening (joined to drain tube 34), a closure device (valve 35) at the discharge portion for bringing the bag (11) from a discharge position, in which the bag (11) is open, to a position of use, in which the bag (11) is closed, and accommodating means (pocket 37) for accommodating the closure device (35) in the position of use of the bag (11), the accommodating means comprises one open receptacle (37) formed in the bag member (11) within the outer contours (22-24), from which the subject-matter of claim 1 differs in that:

a)- the accommodating means further has a basis portion in which said film blanks are undetachably connected to each other, and that the periphery of the basis portion is situated at a distance from the joined edges of the bag member and the discharge portion.

- 2.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT).
- 2.2 The problem to be solved by the present invention may therefore be regarded as to provide alternative accommodating means.
- 2.3 The solution to this problem proposed in claim 1 of the present application is

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

---

International application No. PCT/DK00/00478

considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

- 2.3.1 Document D2 (cf. figures 3,9; column 1, lines 41-63; column 2, lines 12-30) discloses a similar bag having accommodating means for the end of a drawoff tube, comprising an open receptacle, whereby the periphery of the open receptacle is situated at a distance from the joined edges of the bag member and the discharge portion. Nevertheless this document is silent to the mention of a basis portion in which said film blanks are undetachably connected to each other. The combination of the teachings of documents D1 and D2 would therefore not lead to the claimed invention. Furthermore, the feature of a basis portion in which said film blanks are undetachably connected to each other helps to reduce the volume of the whole collecting bag.
3. Claims 2-6 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

**To point VII:**

1. Although claim 1 is drafted in the two-part form the following feature should have been correctly placed in the preamble, as it is disclosed in document D1 in combination with the features placed in the preamble (Rule 6.3(b) PCT): the accommodating means comprises at least one open receptacle formed in said bag member within said outer contours.

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>IPB/27131</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/DK 00/ 00478</b>	International filing date (day/month/year) <b>01/09/2000</b>	(Earliest) Priority Date (day/month/year) <b>17/09/1999</b>
Applicant  <b>COLOPLAST A/S et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

2



None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/XX 00/00478

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61F5/44

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 449 971 A (CAWOOD CHARLES D) 22 May 1984 (1984-05-22) cited in the application column 4, line 4 - line 41; figures ---	1-6
Y	US 3 650 272 A (ERICSON RICHARD E) 21 March 1972 (1972-03-21) column 2, line 11 - line 27; figures 3,9 ---	1-6
A	US 3 865 165 A (GLASS DANIEL S) 11 February 1975 (1975-02-11) cited in the application column 2, line 36 - line 62; figures ---	1-4
A	EP 0 185 809 A (MANFREDI FRANK ANTHONY) 2 July 1986 (1986-07-02) figure 1 --- -/--	5



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

1 December 2000

Date of mailing of the international search report

11/12/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Sánchez y Sánchez, J

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/K 00/00478

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 306 029 A (CARPENTER DAVID F) 15 December 1981 (1981-12-15) cited in the application -----	



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/K 00/00478

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4449971	A	22-05-1984	NONE	
US 3650272	A	21-03-1972	NONE	
US 3865165	A	11-02-1975	NONE	
EP 0185809	A	02-07-1986	NONE	
US 4306029	A	15-12-1981	NONE	

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 March 2001 (29.03.2001)

PCT

(10) International Publication Number  
**WO 01/21115 A1**

(51) International Patent Classification<sup>7</sup>: **A61F 5/44**

(21) International Application Number: **PCT/DK00/00478**

(22) International Filing Date:  
1 September 2000 (01.09.2000)

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
PA 1999 01319 17 September 1999 (17.09.1999) **DK**

(71) Applicant (for all designated States except US): **COLO-PLAST A/S [DK/DK];** Høtveddam 1, DK-3050 Humlebaek (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CIOK, Danuta**

[PL/DK]; Violen Kvarter 8, DK-2990 Nivå (DK). **VON BÜLOW, Martin [DK/DK];** Fredensvej 9B, DK-3060 Espergærde (DK).

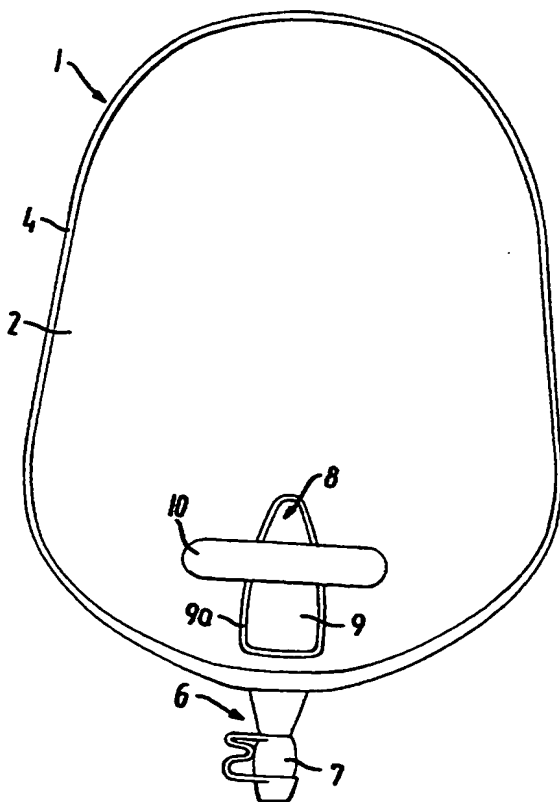
(74) Agents: **CARLSSON, Eva et al.;** Internationalt Patent-Bureau, Høje Taastrup Boulevard 23, DK-2630 Taastrup (DK).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

[Continued on next page]

(54) Title: **A COLLECTING BAG HAVING AN ACCOMMODATING MEANS FOR A CLOSURE DEVICE**



(57) Abstract: The collecting bag comprises a bag member (1) formed by two film blanks (2, 3) with joined edges, and a discharge portion (6) comprising a discharge opening. A closure device (7) at the discharge portion (6) for bringing the bag from a discharge position, in which the bag is open, to a position of use, in which the bag is closed, is accommodated in accommodating means (8) in the position of use of the bag. The accommodating means (8) comprises at least one open receptacle formed in said bag member (1) and has a basis portion (9) in which said film blanks (2, 3) are undetachably connected to each other. The accommodating means may comprise a retaining element in the form of a strip (10) having at least one engagement section for releasable engagement with a corresponding section or corresponding sections on said bag member (1) or on the opposite end of said retaining element.

WO 01/21115 A1



patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *With international search report.*

A collecting bag having an accommodating means for a closure device.

5       The present invention relates to a collecting bag for human body wastes comprising a bag member formed by two film blanks with joined edges defining the outer contours of the bag member, an inlet opening provided in one of said film blanks, connecting elements  
10 surrounding said inlet opening for connection of the bag to a body orifice, a discharge portion at a distance from the inlet opening comprising a discharge opening, a closure device at the discharge portion for bringing the bag from a discharge position, in which  
15 the bag is open, to a position of use, in which the bag is closed, and accommodating means for accommodating said closure device in the position of use of the bag.

In such collecting bags the discharge portion is normally temporarily attached to the bag member in the  
20 position of use of the bag in order to attain a compact appearance in this position and to prevent the discharge portion and the closure device from dangling which might be uncomfortable to the user. In bags having an elongated, substantially flat discharge  
25 portion, this portion is folded or rolled up in the direction of the bag member, partly in order to close the bag and partly to attain said compact appearance and the attachment to the bag member.

W096/19164 discloses a collecting bag of this kind  
30 in which the discharge portion is rolled up on a clip fastened to one of the film blanks.

GB patent applications Nos. 2 268 065 and 2 000 683 disclose collecting bags, in which strips of the interlocking-elements type, such as Velcro, are placed  
35 on each of the film blanks of the discharge portion and

which after rolling or folding the discharge portion tightly are brought into contact with each other.

In EP patent application No. 13 109 the folded discharge portion is tucked into a gap provided between  
5 a strip fixed to one wall of the bag and the wall itself.

In all of the above documents it is a prerequisite that the discharge portion is substantially flat. In collecting bags having a closure device of some extent,  
10 eg. a valve or a clamp, these solutions may not be applied.

US patent No. 2,520,831 discloses a collecting bag in which the folded discharge portion, which is closed by means of a clamp, is accommodated in a pouch  
15 provided at the proximal end of the discharge portion in the position of use of the bag, in which the pouch is closed by means of a zipper-like slide fastener. Due to the structure of the elements of the closure device, opening and closing of the bag require some dexterity,  
20 eg. the discharge portion has to be held manually within the pouch when activating the slide fastener and has to be withdrawn from the pouch in order to empty the bag. In addition, the use of a slide fastener renders the manufacture of the collecting bag expensive  
25 and cumbersome.

US patent No. 4,519,797 discloses a cover for an ostomy pouch having a drain fitting at the bottom of the pouch. The cover has an opening allowing the pouch to be mounted in the usual manner on the plate worn by  
30 the patient. The cover has an integral pocket which receives the drain fitting to prevent irritation to the sensitive portions of the anatomy.

This solution, however, while preventing the drain fitting from directly contacting sensitive portions of  
35 the anatomy, contributes to the bulkiness of the pouch,

thereby compromising the demand for discretion.

US patent No. 4,449,971 discloses a collecting bag of the initially stated kind, in which the accommodating means in the form of a pocket having an entrance slit is formed on an extension of the bag member. Similar arrangements are shown in e.g. US patents Nos 3,865,165 and 4,306,029.

The object of the present invention is to improve a collecting bag of the kind mentioned in the introduction with respect to ease of operation and manufacturing conditions and which furthermore may be used regardless of the type of closure device, at the same time improving both the comfort and the discretion.

For achieving this, a collecting bag according to the invention is characterized in that said accommodating means comprises at least one open receptacle formed in said bag member within said outer contours and has a basis portion in which said film blanks are undetachably connected to each other, and that the periphery of the basis portion is situated at a distance from the joined edges of the bag member and the discharge portion.

By the provision of an accommodating means in the form of an open receptacle having a basis portion, it is very simple to place the closure device in the accommodating means. The position of the basis portion entails that the outer contours of the bag member are not affected by the accommodating means, and at the same time, a free passage is provided from the bag member to the discharge portion. The undetachable connection between the film blanks makes it possible to lodge the closure device in its entirety in the accommodating means so that it does not protrude outside the arched planes formed by the film blanks

when the bag is expanded by the contents. Furthermore, the accommodating means may be formed in an easy and inexpensive manner thus reducing the manufacturing and material costs.

5 In the following the invention will be described in further detail with reference to the schematic drawings, in which the bag is shown in the shape it will assume when at least partly filled and

Fig. 1 shows a side view of a collecting bag  
10 according to the invention in a discharge position;

Fig. 2 shows a plan view of the collecting bag shown in Fig. 1;

Fig. 3 shows a plan view of the collecting bag in a position of use;

15 Fig. 4 shows a cross-sectional view of the collecting bag along the line IV-IV in Fig. 3;

Fig. 5 shows a side view of the collecting bag in the position shown in Fig. 3; and

Fig. 6 shows a longitudinal section of the  
20 collecting bag along the line VI-VI in Fig. 3.

The collecting bag shown in the drawings comprises a bag member 1 formed by two film blanks 2,3 which are joined along their edges by means of a seam 4 made by welding or in any other convenient manner and defining  
25 the outer contours of the bag member. The film blanks may be made from any suitable flexible plastic sheet or foil material.

In the film blank 3 which in use is intended to face the user and thus forms the back wall of the bag,  
30 an inlet opening, not shown, is provided which in a manner known per se is surrounded by connecting elements 5 for connection of the bag to a body orifice in the form of a so-called stoma in the user's abdominal wall.

35 At a distance from the inlet opening and the

connecting elements 5, the bag is designed with a discharge portion 6 having a discharge opening, not shown in detail, through which the bag may be emptied of its contents.

5 In order to bring the bag from the open or discharge position shown in Figs. 1 and 2 to a position of use, in which the bag is closed, the collecting bag comprises a closure device 7 which in the embodiment shown is designed as a valve but which as well be  
10 designed in any other way.

An accommodating means 8 for accommodating the closure device 7 in the position of use of the collecting bag is designed in the bag member 1. The accommodating means comprises an open receptacle with  
15 a basis portion 9 surrounded by portions 2a of the front film blank 2. In the basis portion 9 the two film blanks 2,3 are, as most clearly seen in Figs. 4 and 6, connected to each other in an undetachable manner, eg. by means of a welded or heat-sealed joint extending  
20 along the periphery 9a of the basis portion 9 or by gluing the film blanks together in this area. As seen in Figs. 3 to 6 the closure device 7 is accommodated in the accommodating means 8 in its entirety and does not protrude outside the outer contours of the bag in the  
25 plane of the bag, neither does it protrude outside the arched plane defined by the remaining portions 2b of the front film blank. Thus, a very compact appearance of the bag is obtained in the position of use.

It is of course conceivable, although not  
30 preferred, to place the closure device in the corresponding receptacle formed at the back of the bag member.

In order to improve the securing of the closure device 7 in the open receptacle formed by the basis  
35 portion 9 and the portions 2a of front film blank 2



surrounding the basis portion 9, the accommodating means may further comprise a retaining means, which in the embodiment shown is provided in the shape of a strip 10 which in one end is undetachably connected to the bag member and in the other end has an engagement section for releasable engagement with a corresponding section on the bag member. The engagement sections may comprise interlocking elements, eg. of the Velcro type. The strip 10 may also be undetachably secured in a middle section and have foldable ends with corresponding engagement sections, said foldable ends having lengths enabling them to reach around the closure device 7 for engagement or it may be provided separately and comprise an engagement section in each end.

Other types of retaining means may be conceivable, eg. it is possible to provide the closure device itself with an engagement section for releasable engagement with a corresponding section in the basis portion.

The periphery 9a of the basis portion 9 is situated at a distance from the joined edges of the bag member, ie. the seam 4, and the discharge portion 6 in order to permit the contents of the bag to flow out of the discharge portion 6 and the discharge opening during emptying of the bag. It is of course possible to place the accommodating means in the vicinity of one of the edges as long as there is still a free passage between the bag member and the discharge portion.

The basis portion 9 of the accommodating means has cross-sectional dimensions corresponding to the dimensions of the closure device 7. By this design, a safe retention of the closure device in the accommodating means 8 is obtained and at the same time the volume available for body wastes in the remaining part of the bag is reduced as little as possible.

The invention should not be regarded as being limited to the embodiment described in the above but various modifications may be carried out without departing from the scope of the following claims.

- 5       For example, although the invention has been described only with reference to one kind of closure device, viz. a valve, it is of course possible to apply it to other forms of closure devices comprising eg. clamps or adhesive connections.

## P A T E N T   C L A I M S

1. A collecting bag for human body wastes comprising:

a bag member (1) formed by two film blanks (2,3)  
5 with joined edges defining the outer contours of the bag member,

an inlet opening provided in one of said film blanks (3),

connecting elements (5) surrounding said inlet  
10 opening for connection of the bag to a body orifice,

a discharge portion (6) at a distance from the inlet opening comprising a discharge opening,

a closure device (7) at the discharge portion (6) for bringing the bag from a discharge position, in  
15 which the bag is open, to a position of use, in which the bag is closed, and

accommodating means (8) for accommodating said closure device (7) in the position of use of the bag,

c h a r a c t e r i z e d   i n   t h a t

20     said accommodating means (8) comprises at least one open receptacle formed in said bag member (1) within said outer contours and has a basis portion (9) in which said film blanks (2,3) are undetachably connected to each other, and that the periphery (9a) of  
25 the basis portion (9) is situated at a distance from the joined edges (4) of the bag member (1) and the discharge portion (6).

2. A collecting bag according to claim 1, c h a r a c t e r i z e d   i n   t h a t said film blanks  
30 (2,3) are connected to each other by means of a heat-sealed joint extending along the periphery (9a) of the basis portion (9).

3. A collecting bag according to claim 1, c h a r a c t e r i z e d   i n   t h a t said film blanks  
35 (2,3) are connected to each other by gluing.

4. A collecting bag according to any of claims 1 to 3, c h a r a c t e r i z e d in that said accommodating means (8) comprises a retaining means (10) for holding the closure means (7) in said open 5 receptacle in the position of use of the bag.

5. A collecting bag according to claim 4, c h a r a c t e r i z e d in that said retaining means comprises a strip (10) having at least one engagement section for releasable engagement with a corresponding 10 section or corresponding sections on said bag member (1) or on the opposite end of said retaining means.

6. A collecting bag according to any claims 1 to 5, c h a r a c t e r i z e d in that said basis portion (9) has cross-sectional dimensions 15 corresponding to the dimensions of the closure device (7).

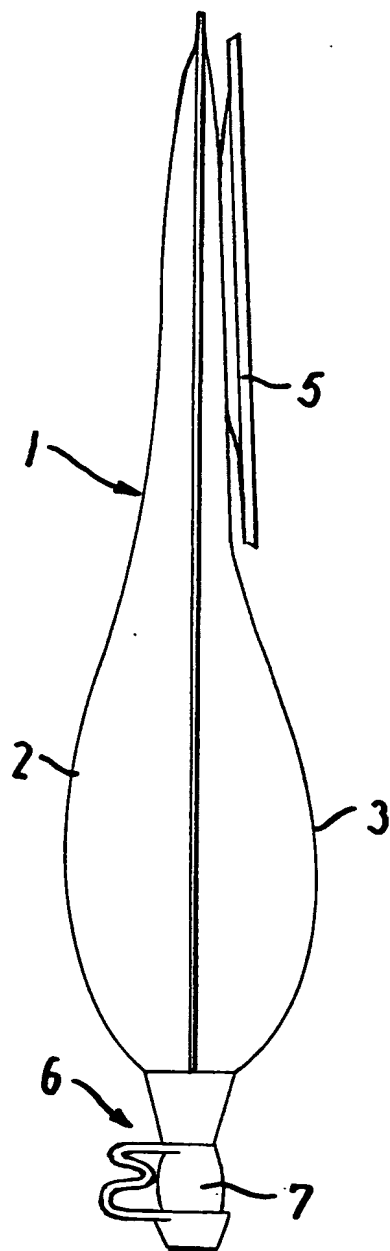


FIG. 1

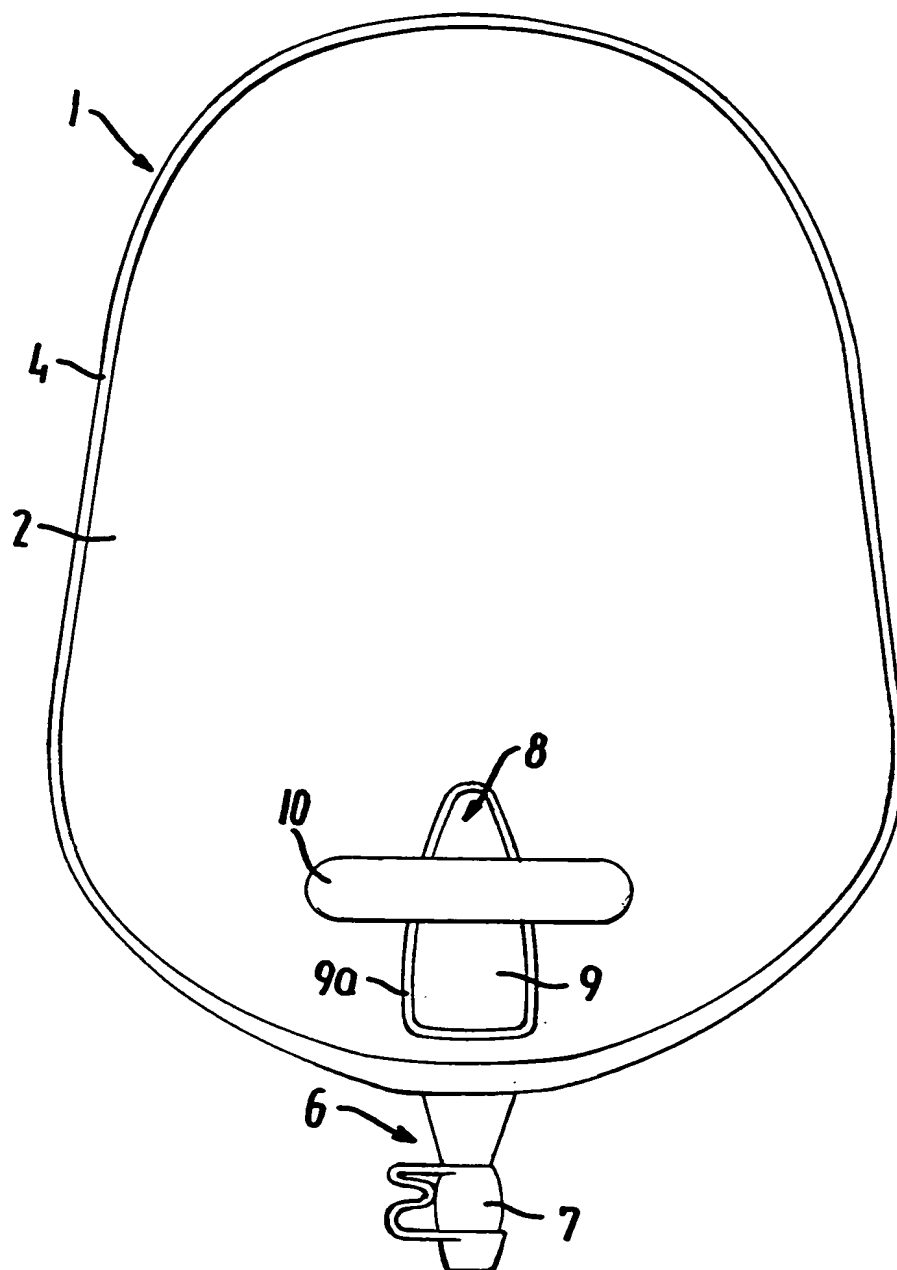
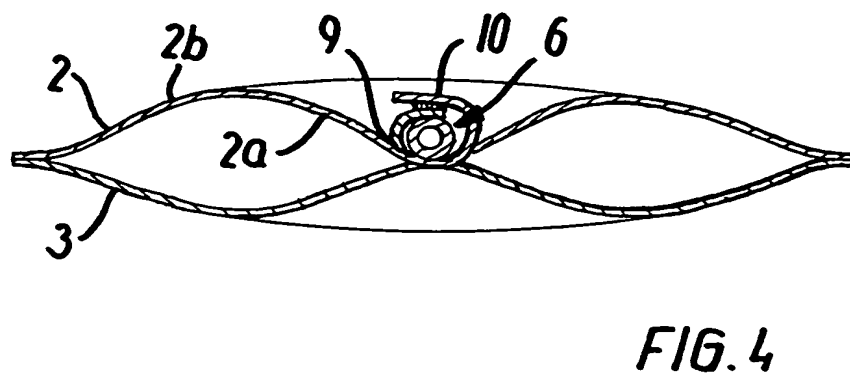
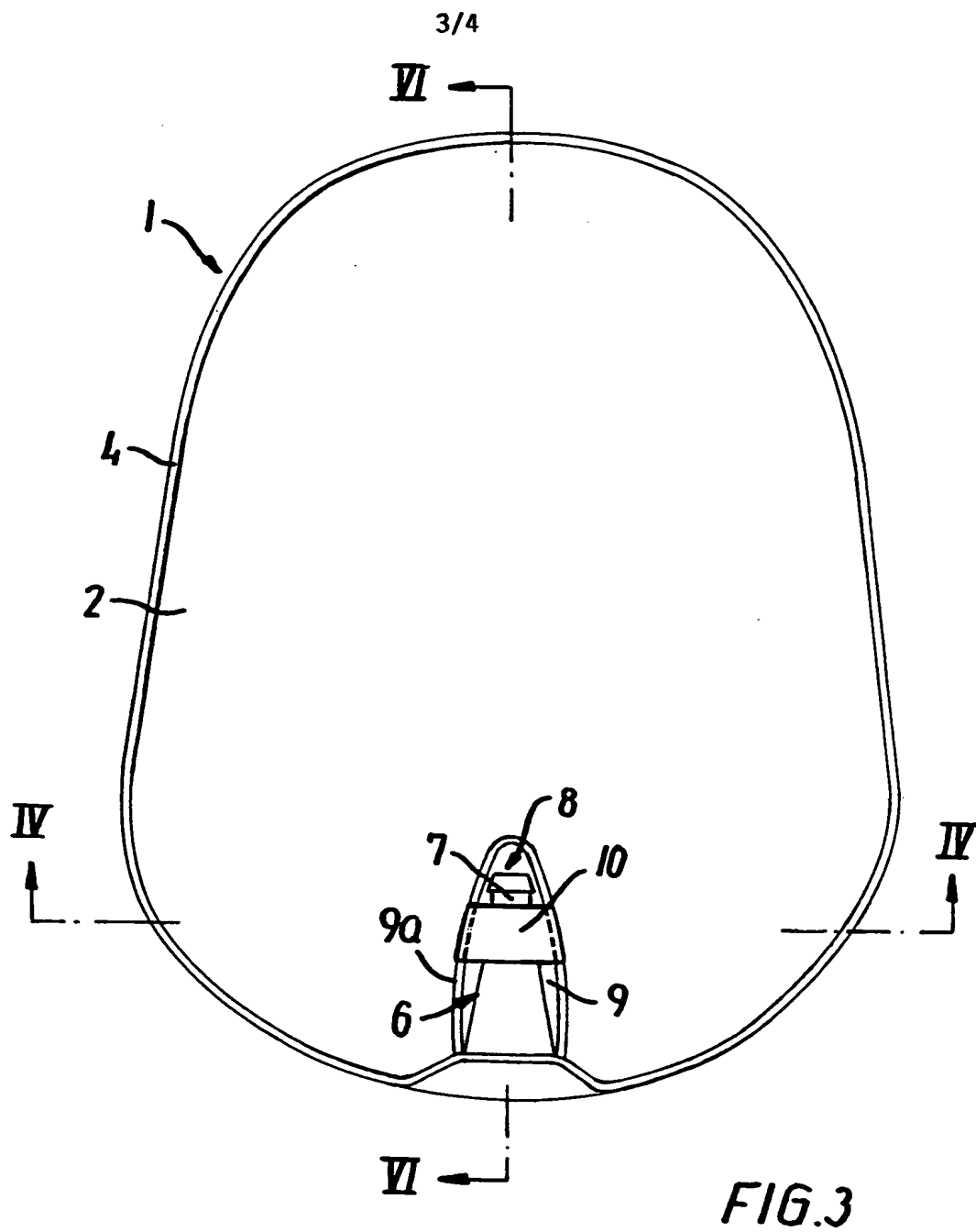


FIG. 2



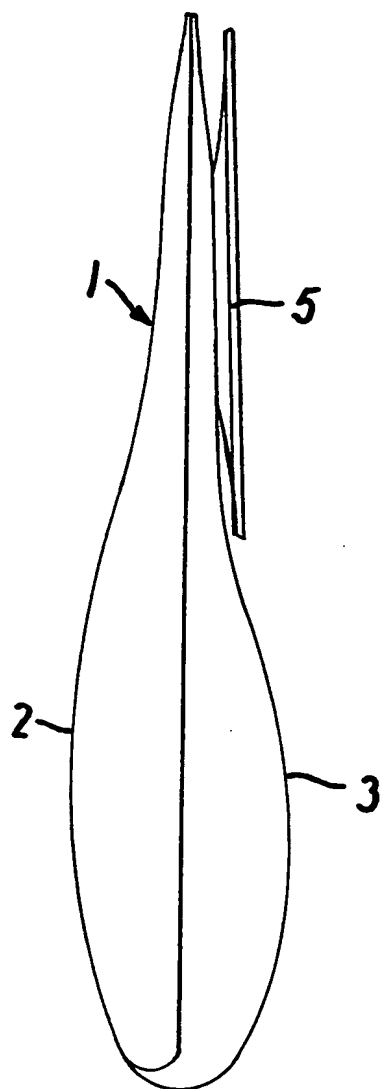


FIG. 5

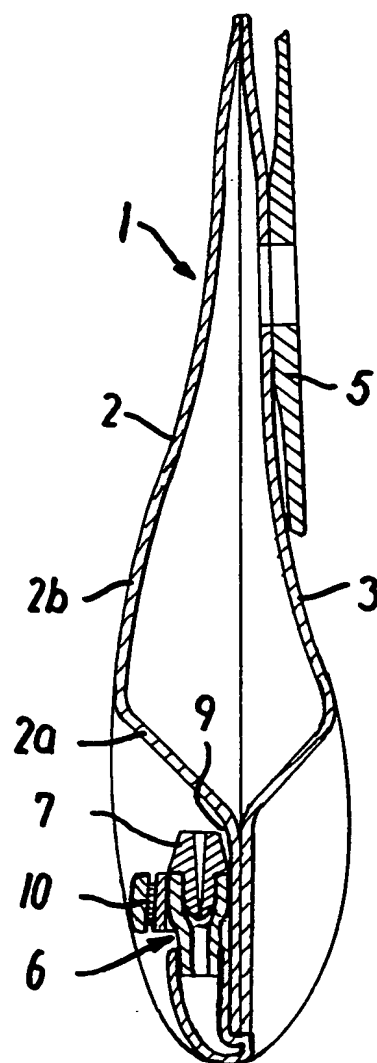


FIG. 6